

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number  
**WO 2004/092170 A2**

(51) International Patent Classification<sup>7</sup>: **C07D 487/00**

(21) International Application Number:  
PCT/US2004/011005

(22) International Filing Date: 9 April 2004 (09.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/461,356 9 April 2003 (09.04.2003) US

(71) Applicant (for all designated States except US): **BIODEN  
IDEC MA INC.** [US/US]; 14 Cambridge Center, Cam-  
bridge, MA 02142 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VU, Chi** [US/US];  
79 Bay State Road, Arlington, MA 02474 (US). **PETTER,  
Russell C.** [US/US]; 343 Hudson Road, Stow, MA 01775  
(US). **KUMARAVEL, Gnanasambandam** [IN/US]; 10  
Perham Circle, Westford, MA 01886 (US).

(74) Agent: **LINKKILA, Timothy P.**; **BIODEN IDEC MA  
INC.**, 14 Cambridge Center, Cambridge, MA 02142 (US).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

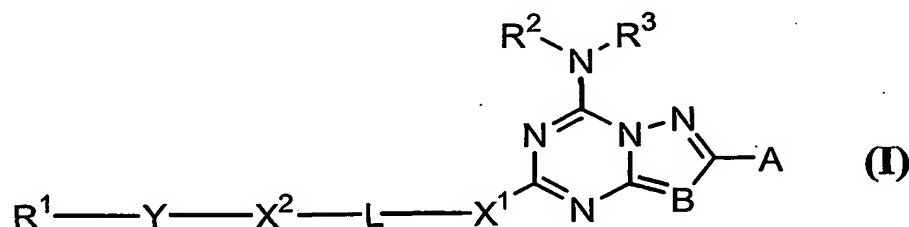
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: **TRIAZOLOTRIAZINES AND PYRAZOLOTRIAZINES AND METHODS OF MAKING AND USING THE SAME**



(57) Abstract: The invention is based on the discovery that compounds of formula (I) possess unexpectedly high affinity for the A<sub>2a</sub> adenosine receptor, and can be useful as antagonists thereof for preventing and/or treating numerous diseases, including Parkinson's disease. In one embodiment, the invention features a compound of formula I: (I)